

2/5/2005

Dear Colleagues:

Passengers on the *Titanic* should be warned if navigation and iceberg-warning equipment is malfunctioning and the senior science/engineering staff has decided to stick its head in the sand:

You might be interested in the enclosed article (from February 2004) re the growing credibility gap of the National Science Board/National Science Foundation (and its advisory system) in the area of basic research in economics and our national capacity for evidence-based economic policy. The steady erosion of the nation's macroeconomic forecasting models (including GDP, inflation, and government revenues) began to be dramatically apparent seven years (now, eight) ago.¹

There is *prima facie* and compelling evidence that the National Science Board should provide leadership and funds to rethink the beloved but eroding neo-classical model, and develop new measures and data systems to test new and competing ideas to fix it, or replace it. It (and our nation's scientists) can do a better job. In the physical sciences, if fixed coefficients were starting to change, and old theories were failing, the NSB already would have shifted to fast-discovery mode.

☛ President Bush has begun to cite actuarial/economic forecasting estimates of the Social Security Trust Fund for 2042. However reliable the forecasts were when they were made, they are less reliable today.

I also enclose a concurring letter from the economist Robert Reischauer, former head of CBO, who has been a member of the Executive Committee of Harvard's Board of Overseers.

best regards,
Lloyd Etheredge²

White House Forecasts Often Miss The Mark

By Dana Milbank
Washington Post Staff Writer
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President Bush last week caused a stir when he declined to endorse a projection, made by his own Council of Economic Advisers, that the economy would add 2.6 million jobs this year. But

¹ It would be helpful to have (lagging) economics textbooks alert students to these erosions, and the new thinking that will be needed and to which they could contribute.

² Policy Sciences Center Inc. 127 Wall St. Box 208215 New Haven, CT 06520-8215.
URL: www.policyscience.net; lloyd.etheredge@yale.edu (Email); 301-365-5241 (v).

that forecast, derided as wildly optimistic, was one of the more modest predictions the administration has made about the economy over the past three years.

Two years ago, the administration forecast that there would be 3.4 million more jobs in 2003 than there were in 2000. And it predicted a budget deficit for fiscal 2004 of \$14 billion. The economy ended up losing 1.7 million jobs over that period, and the budget deficit for this year is on course to be \$521 billion.

These are not isolated cases. Over three years, the administration has repeatedly and significantly overstated the government's fiscal health and the number of jobs the economy would create, but economists and politicians disagree about why.

The president, though not addressing the predictions directly, regularly points to four events that altered economic expectations: the recession; the Sept. 11, 2001, attacks; the corporate governance scandals; and war in Iraq. "We've been through a lot," Bush said in an economics speech Thursday. "But we acted, here in Washington. I led."

The opposition has sought to portray the economic forecasts as evidence of Bush's dishonesty, similar to the claims of weapons of mass destruction in Iraq that have not materialized. "Every day, this administration's credibility gap grows wider," Sen. John F. Kerry (D-Mass.), the leading prospect to challenge Bush in November, said Friday. "They didn't tell Americans the truth about Iraq. They didn't tell Americans the truth about the economy. And now they're trying to manufacture the 2.6 million manufacturing jobs they've destroyed."

Economists agree that economic forecasts are often unreliable, but they say there is at least one plausible explanation for the discrepancies of recent years: The Bush administration, like the Clinton administration before it and like most private economists, assumed that tax revenue and jobs would rise or fall with the gross domestic product in the same proportions as they had in previous recoveries.

But, because of structural changes in the economy such as soaring gains in productivity, the historical patterns have not held. Job growth and tax receipts were badly underestimated in the boom of the late 1990s, and overestimated since 2000, even as the economy has begun to improve.

Robert D. Reischauer, a former director of the Congressional Budget Office, said that the administration has been "a little exuberant" in its forecasts but that the problem is more a statistical one. "The patterns that prevailed before don't seem to be holding in this current recovery," Reischauer said.

Figures released by the White House show that its overestimate of job creation in 2003 was the largest forecast error made in at least 15 years, and its 2002 underestimate of the deficit was the largest in at least 21 years. But the statistics show that forecast errors began to increase considerably around 1997, under the Clinton administration. By contrast, the Bush administration's GDP forecasts have been relatively accurate, indicating job growth and tax receipts have shed their historical correlation to GDP growth.

"The old theories on predicting revenue proved themselves wildly wrong in the late 1990s and early 2000s," said White House spokesman Trent Duffy. "Nobody saw this happening -- not Wall Street, not Vegas, not Poor Richard, not Nostradamus."

Democrats agree that in 2001, when Congress passed Bush's first tax cut, there was no concrete evidence that there was an unusual decline in tax receipts. But Thomas S. Kahn, Democratic staff director of the House Budget Committee, faults the administration for continuing to rely on upbeat forecasts to pass new tax cuts even after it became obvious there was a problem.

In June 2001, the Treasury Department announced a sharper-than-expected drop in tax revenue. In January 2002, the Congressional Budget Office observed that tax receipts were lower "for reasons that are not entirely understood," and it warned that part of the phenomenon "will remain." The White House Office of Management and Budget, in July 2002, acknowledged that "the precise causes of this year's income tax drop-off will not be known for some time." Yet the administration continued to push for more tax cuts, as Bush promised that the deficit "will be small and short-term."

On employment, the administration continued to make optimistic forecasts even after it became clear that historical patterns were not holding. A year ago, for example, the Council of Economic Advisers predicted that the tax cut package alone that Bush was promoting would generate 510,000 jobs in 2003 and 891,000 in 2004. Even without the tax cut, the council was predicting that average employment would grow by 1.7 million jobs from 2002 to 2003, and 2.7 million jobs between 2003 and 2004.

"They ought to be held accountable for not taking seriously what happened to the jobs numbers," said Lee Price, research director for the Economic Policy Institute, a liberal think tank. Although Bush's jobs forecasts were plausible in 2002, before the extent of productivity gains were known, he said, the continually optimistic jobs forecasts "start to seem outlandish."

The administration used job-creation predictions to justify its 2001 and 2002 tax cuts, as well. In 2002, the economic advisers argued that failure to enact the stimulus package Bush proposed would cost the economy "about 300,000 jobs." The president's economists said that Bush's 2001 tax cuts would create an additional 800,000 jobs by the end of 2002.

In reality, the United States went from an average of 131.9 million jobs in 2001 to 130.4 million in 2002, and to an estimated 130.1 million in 2003. And it will need an extraordinary change to reach the 132.7 million jobs for 2004 that the economic advisers predicted -- the figure Bush declined to endorse.

The administration's budget forecasts have followed a similar pattern. A confident president proclaimed in March 2001: "We can proceed with tax relief without fear of budget deficits, even if the economy softens." About that same time, the administration projected a budget surplus of \$281 billion for 2001, \$231 billion for 2002, \$246 billion for 2003, \$268 billion for 2004 and \$273 billion for 2005.

Bush has since said that his optimism about budget deficits was based on the assumption that the economy would not hit a "trifecta" of trouble: recession, national emergency and war. But in February 2002 -- after the recession was declared, the terrorist attacks had occurred and war had begun in Afghanistan -- the administration continued to have upbeat predictions. Although it forecast a \$106 billion deficit in 2002, it saw the deficit shrinking to \$80 billion in 2003, \$14 billion in 2004, and becoming a surplus of \$61 billion in 2005. Those figures, too, quickly became seen as overly optimistic, as tax receipts continued to come in lower than expected. A

year later, in 2003, the administration predicted a deficit of \$304 billion for 2003 and \$307 billion for 2004. In reality, the 2003 deficit was \$375 billion, and the White House now expects a deficit of \$521 billion for 2004.

Staff writer Jonathan Weisman contributed to this report.

ROBERT D. REISCHAUER
President

Direct Dial: 202-261-5400
Fax: 202-223-1335
E-mail: RReischa@ui.urban.org

December 23, 2002

Dr. Lloyd S. Etheredge, Director
Government Learning Project
The Policy Sciences Center, Inc.
P. O. Box 208215
New Haven, CT 06520-8215

Dear Dr. Etheredge:

Thank you for your letter and thoughtful attachment. I am in complete agreement that the economic data we collect has significant deficiencies that limit our ability to understand the economy's problems and chart future policy.

We don't collect some information that is needed and gather much that we could do without. We collect other data in insufficient detail and almost always take too long to release the data for it to be useful in policy decisions.

As you know better than I, there are many reasons for this situation. What we collect and how we collect it reflects the forces at play in the first half of the last century and those forces do not want to give anything up. Congress has little interest in devoting more scarce budget resources to collect new and better information. Few economists who use the data appreciate its limitations. They have been raised on certain data sets and treat them as if they are part of the underlying environment, not subject to change. They put a premium on continuity and don't want discontinuity in the data sets they know and use.

I don't think I would be as critical as you are about CNSTAT/NCR. I don't think they would have much of an impact even if they had done the studies and made the recommendations you think warranted. Nor do I think universities (Yale or Harvard) or the Fed could make much of a dent in the problem. Rather, I think a presidential or congressional study commission is called for—one with a clear mandate and a promise that added resources will be devoted to strengthening the statistical system based on the commission's report. Unfortunately, the prospects for such an initiative rising to the top of policymakers' lists of things to do is very, very low.

Nevertheless, I wish you well in your efforts.

Sincerely,

